

**Grace Patlewicz, Chemist, in EPA's National  
Center for Computational Toxicology**

[Mailing Address](#)

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**Area of Expertise:** Dr. Patlewicz is a computational toxicologist with industrial and regulatory experience especially in the field of mammalian toxicity. She helps lead an innovative research programme for the development and application of computational chemistry to identify chemical features associated with specific biological interactions or modes of action and predict specific manifestations of toxicity of environmental and industrial chemicals. Dr. Patlewicz also leverages the principles of computational chemistry in the development of tools that chemical regulators, researchers, and practitioners use to predict the hazard, pharmacokinetic, and exposure related properties of new and legacy chemicals or as an adjunct to mode of action in risk assessment.

**Select Publications:**

Ball N, Cronin, MTD, Shen J, Blackburn K, Booth ED, Bouhifd M, Donley E, Egnash L, Hastings C, Juberg DR, Kleensang A, Kleinstreuer N, Kroese, D, Lee AC, Luechtefeld T, Maertens A, Marty S, Naciff JM, Palmer J, Pamies D, Penman M, Richarz A-N, Russo DP, Stuard SB, Patlewicz G, van Ravenzwaay B, Wu S, Zhu H, Hartung T. [Toward Good Read-Across Practice \(GRAP\) Guidance](#). *Altex*, 2016, 33(2): 149-166. [Exit](#)

Samuel GO, Hoffmann S, Wright R, Lalu MM, Patlewicz G, Becker RA, DeGeorge GL, Fergusson D, Hartung T, Lewis J, Stephens M. [Guidance on Assessing the Methodological and Reporting Quality of Toxicologically Relevant Studies: A Scoping Review](#). *Environment International*, 2016, in press [Exit](#)

Patlewicz GY, Fitzpatrick J. [Current and future perspectives on the development, evaluation and application of in silico approaches for predicting toxicity](#). *Chem. Res. Toxicol.* 2016, 29(4): 438-451. [Exit](#)

Becker RA, Patlewicz G, Simon T, Rowlands JC, Budinsky RA. [The Adverse Outcome Pathway for Rodent Liver Tumor Promotion by Sustained Activation of the Aryl Hydrocarbon Receptor](#). *Reg Toxicol. Pharmacol.* 2015, 73:172-190. [Exit](#)

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**Education:**

- B.S., University of Manchester, Manchester, UK; Chemistry, 1994
- M.S., University of Surrey, Guildford, UK; Toxicology, 1996
- Post-graduate Diploma, Henley College, Henley-on-Thames, UK; Management, 2000
- Ph.D., University of Santiago de Compostela, Spain; Organic Chemistry, 2007

**Professional Experience:**

**Additional Publications:**

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